

FIG. 1

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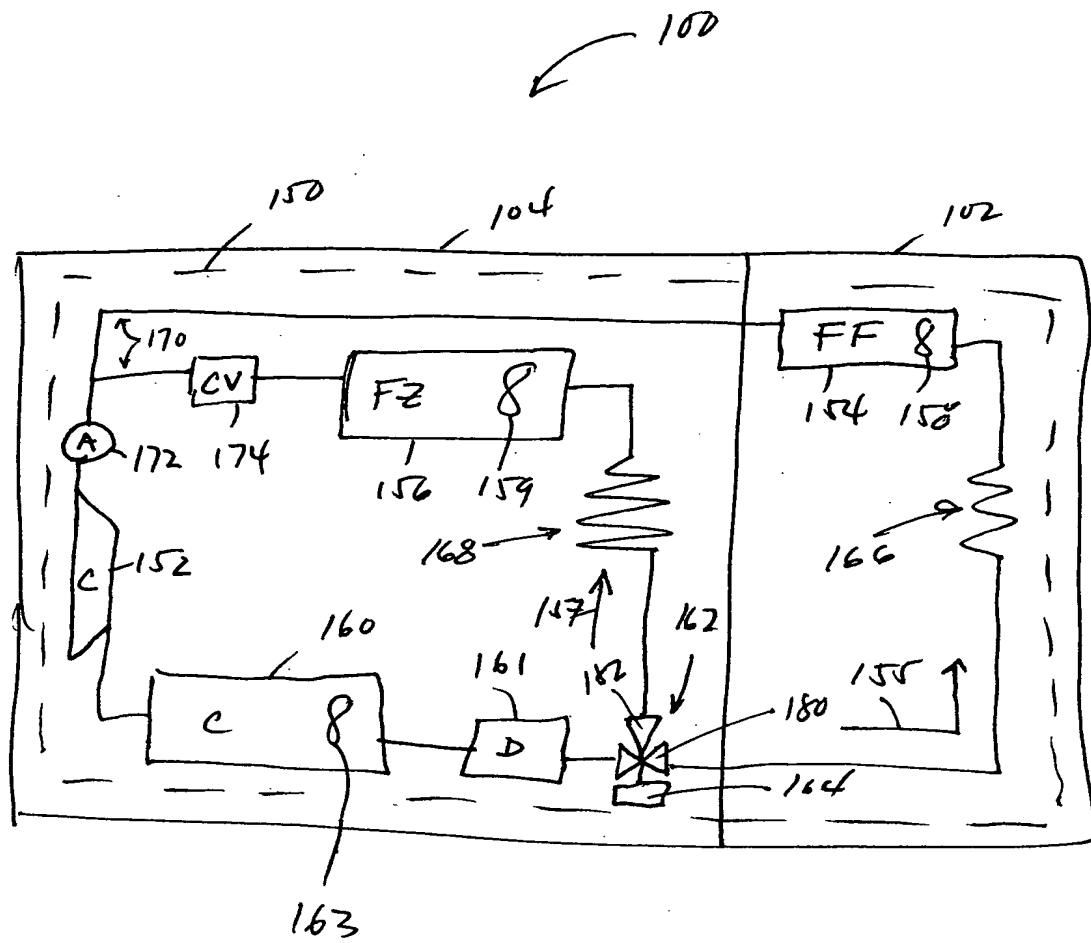


Figure 2

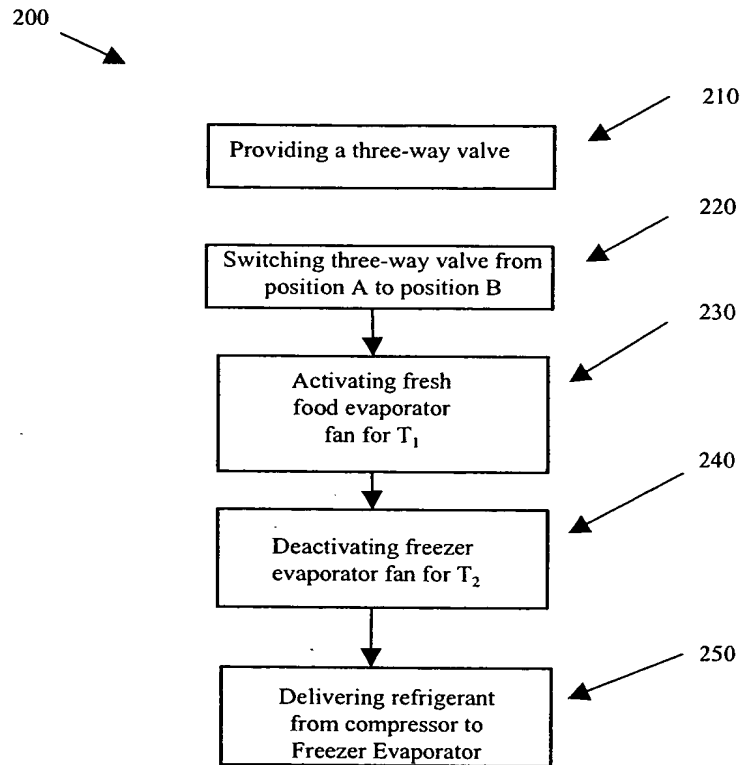


FIGURE 3

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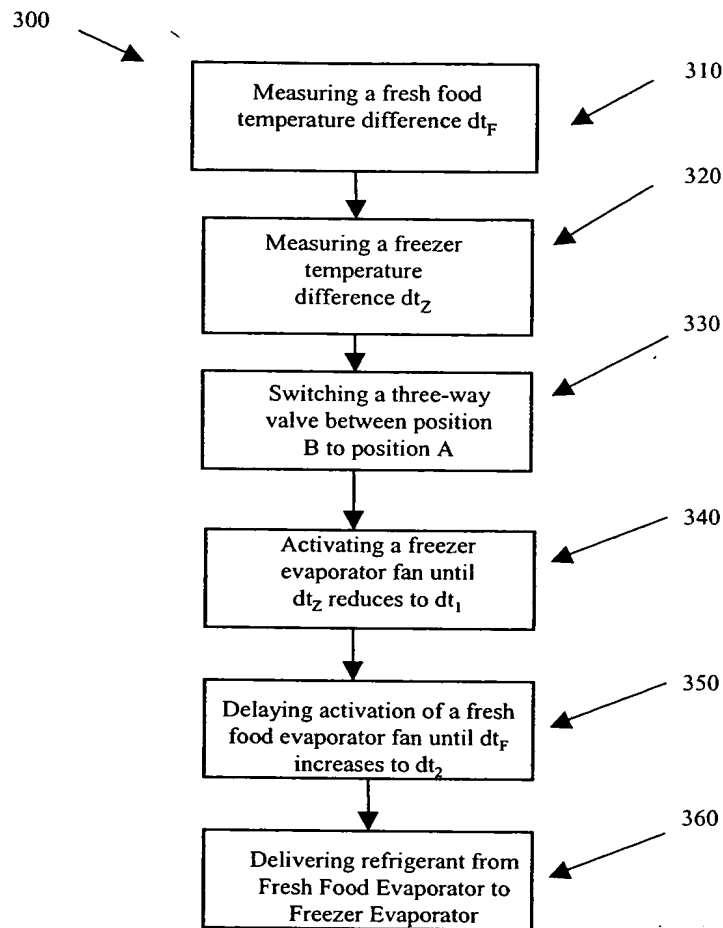


FIGURE 4

420

400

30 AE	31 AF	32 AH	33 AI	34 AJ	35 AU
Area = Area5 COMP MED/Cond - SuperHI	Area = Area 5 COMP MED/Cond - SuperHI	Area = Area 7 COMP MED/Cond - SuperHI	Area = Area 7 COMP MED/Cond - SuperHI	Area = Area 7 COMP MED/Cond - SuperHI	Area = Area 7 COMP MED/Cond - SuperHI
FZ Fan HI Valve B FF Fan Off	FZ Fan HI Valve B FF Fan Off	FZ Fan HI Valve NC FF Fan NC	FZ Fan Med Valve C FF FAN MED	FZ Fan Med Valve C FF FAN MED	FZ Fan Med Valve C FF FAN MED
0 A	1 B	2 C	3 D	4 E	5 F
Area = Area5 Comp/Cond HI FZ Fan HI Valve B FF Fan Off	Area = Area 5 Comp/Cond HI FZ Fan High Valve B FF Fan Off	If (Valve NOT A) Area = Area1, Comp/Cond HI FZ Fan High Valve NC FF Fan NC	Area = Area1 Comp/Cond HI FZ Fan High Valve C FF FAN LOW	Area = Area1 Comp/Cond HI FZ Fan High Valve C FF FAN MED	Area = Area1 Comp/Cond HI FZ Fan High Valve C FF Fan High
FZ HIGH HYST 3 (FZXHHYST)	FZ HIGH HYST 3 (FZXHHYST)	FZ HIGH HYST 3 (FZXHHYST)	FZ HIGH HYST 3 (FZXHHYST)	FZ HIGH HYST 3 (FZXHHYST)	FZ HIGH HYST 3 (FZXHHYST)
6 G	7 H	8 I	9 J	10 K	11 L
Area = Area5 Comp/Cond Med FZ Fan Med Valve B FF Fan Off	Area = Area 5 Comp/Cond Med FZ Fan Med Valve B FF Fan Off	If NOT from Area 1 Area = Area2 If (Area Not Area3) Comp/Cond Med Valve NC FF Fan NC	If NOT from Area 1 Comp/Cond Med, Fz Fan HI Area = Area2 Valve C FF Fan Low	If NOT from Area 1 Comp/Cond Med Fz Fan High Valve C FF FAN MED	Area = Area1 Comp/Cond HIGH FZ Fan Off Valve A FF Fan High
FZ HIGH HYST 2 (FZXHHYST)	FZ HIGH HYST 2 (FZXHHYST)	FZ HIGH HYST 2 (FZXHHYST)	FZ HIGH HYST 2 (FZXHHYST)	FZ HIGH HYST 2 (FZXHHYST)	FZ HIGH HYST 2 (FZXHHYST)
12 M	13 N	14 O	15 P	16 Q	17 R
Area = Area5 Comp/Cond LOW FZ Fan Low Valve B FF Fan Off	Area = Area 5 Comp/Cond Low FZ Fan Low Valve B FF Fan Off	If Area = Area1 Comp/Cond Med, Fz Fan HI Valve C, Area = Area2 else Comp/Cond Low, If Valve not A Fz Fan Low Area = Area3 FF Fan NC	If Area = Area1 Comp/Cond Med, Fz Fan HI Valve C else Comp/Cond Low, Fz Fan Off Valve A, Area = Area3 FF Fan Low	If NOT from Area 1 Comp/Cond Med Fz Fan Off Valve A Area = Area2 FF FAN MED	Area = Area1 Comp/Cond Med Fz Fan Off Valve A FF FAN HIGH
FZ HIGH HYST 1 (FZXHHYST)	FZ HIGH HYST 1 (FZXHHYST)	FZ HIGH HYST 1 (FZXHHYST)	FZ HIGH HYST 1 (FZXHHYST)	FZ HIGH HYST 1 (FZXHHYST)	FZ HIGH HYST 1 (FZXHHYST)
18 S	19 T	20 U	21 V	22 W	23 X
Area = Area 5 Comp/Cond NC FZ Fan NC Valve NC FF Fan Off	Area = Area 5 If (Comp/Cond On) Comp/Cond Low, Fz Fan Low Valve B else Valve A, Comp/Cond NC, Fz Fan NC FF Fan Off	If Area = Area2 Comp/Cond Low, Fz Fan Off Valve A, Area = Area3 else Comp/Cond NC, Valve NC, Fz Area = Area4 FF Fan NC	Comp/Cond Low, Fz Fan Off Valve A Area = Area3 FAN LOW	Comp/Cond Med Fz Fan Off Valve A Area = Area2 FF FAN MED	Area = Area1 Comp/Cond Med Fz Fan Off Valve A FF Fan High
FZ Target Temp	FZ Target Temp	FZ Target Temp	FZ Target Temp	FZ Target Temp	FZ Target Temp
FZ Low Hysteresis	FZ Low Hysteresis	FZ Low Hysteresis	FZ Low Hysteresis	FZ Low Hysteresis	FZ Low Hysteresis
24 Y	25 Z	26 AA	27 AB	28 AC	29 AD
Area = Area 0 Comp/Cond Off FZ Fan Off Valve A FF Fan Off	Area = Area0 Comp/Cond Off FZ Fan Off Valve A FF Fan Off	Comp/Cond Off Fz Fan Off Valve A FF Fan Off	Area = Area 6 Comp/Cond LOW Fz Fan Off Valve A FF FAN LOW	Area = Area 6 Comp/Cond LOW Fz Fan Off Valve A FF FAN MED	Area = Area 6 Comp/Cond MED Fz Fan Off Valve A FF Fan High

If Valve is in A position, FZ Fan is off and FF Fan runs at least in Low Speed  
 If Valve is in B position, FZ Fan runs at least in Low speed and FF Fan is off  
 NOTE (1): DAMPER OPENS & FF FAN ON LOW AT SS START, THEN CHECKS FOR PROPER POSITION NEXT LOGIC CYCLE  
 NOTE (2): FOR BPO & QUANTUM FZ Fan Low = FZ Fan MEDIUM  
 NOTE (3): If the FF temperature has not gotten colder by 0.15 F within 30 minutes of the damper opening, boost the FZ Fan is NOTE (7). See included worksheets in order to calculate the configuration byte  
 NOTE (4): EFOSSO = evaporator fan on sealed system off (part of the configuration byte)

FFRolling = FZTHERMIST  
 FZTHERMIST  
 FZTAVG3 = Beta \* FZTAVG3 + (1 - Beta) \* FZTAVG3, added by RMB 6/1  
 FZTAVG2 = Beta \* FZTAVG2 + (1 - Beta) \* FZTAVG2, added by RMB 6/1  
 FZTAVG1 = Beta \* FZTAVG1 + (1 - Beta) \* FZTAVG1, added by RMB 6/1  
 FZTAVG = Beta \* FZTAVG + (1 - Beta) \* FZTAVG, moved by RMB 6/1  
 FZTAVG = Beta \* FZTAVG + (1 - Beta) \* FZTAVG, moved by RMB 6/1

End If  
 If FZERROR > FFHHYST2 Then FZERROR = FFHHYST2  
 If FZERROR < FFLOWHYST Then FZERROR = FFLOWHYST

Figure 5

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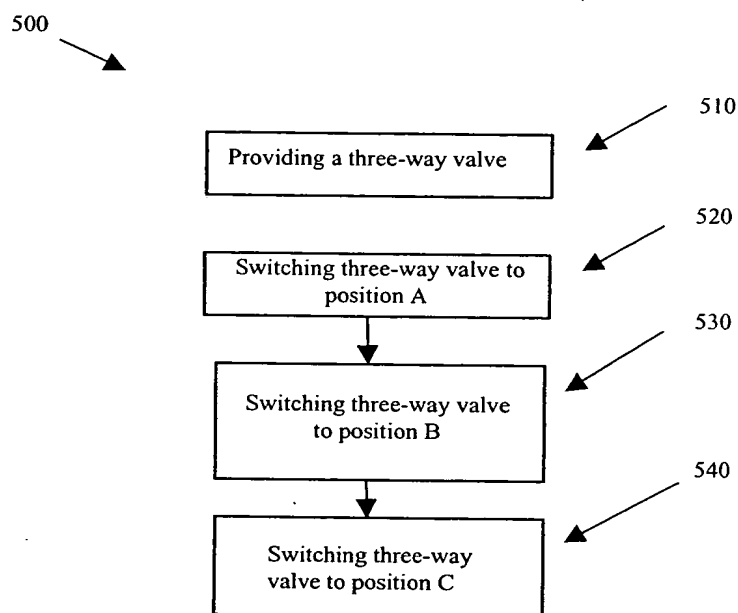


FIGURE 6